

Application No.: 09/868581  
Amendment dated: June 14, 2004  
Reply to Office action of February 13, 2004

AMENDMENTS TO THE SPECIFICATION:

Please amend the paragraph beginning at page 21, line 1, to read as follows:

Downstream of the point 318 the length of the conduit 37 is kept to the minimum practical, and the internal bore is narrowed to 0.25mm. The orifice 38 opens into the expansion chamber 39 in which pressure is monitored by monitor 312. The expansion chamber 39 does not incorporate a filter, but instead an outlet 322 leads to a cyclone 323 by means of which the particulate product ~~324~~ 327 is collected, and a HEPA filter ~~325~~ 328 by which the gaseous output exits to the atmosphere.

Please amend the paragraph beginning at page 22, line 1, to read as follows:

Referring to Fig. 4 a construction 41 suitable for the junction 217 of Fig. 2 is shown overall 41. The construction 41 comprises a conduit 42, being a pipe, e.g. the conduit 27 of Fig. 2, along which a flowing fluid (e.g. carbon dioxide at 200 bar and 80°C) flows in the flow direction shown by the arrow 'A' from an upstream high pressure towards a downstream low pressure direction. There is a restriction 43 in the conduit, being a narrowing (e.g. of 150 micrometres diameter) in the cross sectional area of the pipe 42. In the region ~~4H~~ 44H upstream of the restriction 43 the flowing fluid is at a high pressure P1, and in the region ~~4L~~ 44L downstream of the restriction 43 the flowing fluid is at a ~~lower~~ pressure P2 lower than P1 (e.g., P1 being 200 bar and P2 being atmospheric).

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The cross sectional area of the restriction 43 at its narrowest is equal to or larger than that required to permit the maximum envisaged flow of the flowing fluid along the conduit 42, for example with the dimensions of the apparatus of Figs 1, 2 and 3, the envisaged maximum flow rate is 3 kg CO<sub>2</sub> per hour.